



SWE Outlook

September 2001

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We will gladly include news items and meeting announcements from SWE Student Sections and nearby SWE Sections in *SWE Outlook*. Please send information to Barbara.Faust@swe.org. Announcements for other organizations will be included as time and space permit.

Outlook for a New SWE Year

The SWE-Philadelphia Section Executive Board and other interested Members and "guests" (one dog, two cats, and a ferret) gathered at President Lisa Colosimo's house on August 26 to work on the agenda and plans for FY02. In addition to our usual activities, this year we plan to offer some new events and activities that are designed to promote SWE visibility and provide more networking opportunities for our members and local college students.

The preview list of planned events includes:

- assisting the Lehigh Valley Section in hosting the Region E Conference to be held in Bethlehem in April 2002;
- social events that encourage networking such as Section meetings with local SWE Student Sections, sub-section meetings in various locations throughout the Section, a golf outing to develop game skills, participation as a group in Walk for the Cure, and a family outing to a local minor league baseball game;
- expanding our local scholarship program to reach local engineering students at schools that do not have a SWE Student Section;
- increasing dialog between students and SWE members;
- technical tours and dinner meetings;
- a seminar on Presentation Skills;
- joint meetings with other engineering societies;
- continuation of career guidance programs such as the Engineering Mini-Camp and Certificate of Merit Program for high school girls, participation in the Philadelphia Future City Competition and local science fairs, providing engineering workshops for Junior Girl Scouts, and possibly hosting the Hoffman Program for middle school teachers and guidance counselors.

We look forward to having more members participate in at least one event this year. As the Girl Scout song goes, "Make new friends, but keep the old - one is silver and the gold."

The Philadelphia Section Executive Council

SWE Outlook is the original name conferred on the Philadelphia Section Newsletter by the section charter members and newsletter editor. This year we are continuing the tradition.

SWE Calendar - FY02

Date	Event	Location
September 19	Section Meeting - What's New in SWE	Viggiano's, Conshocken
October 18	Sub-section Meetings Montco Sub-section	Various Bertucci's, Plymouth Meeting
6	Girl Scout Junior Jamboree	Camp Tohikanee
6	Induction of Beatrice Hicks, SWE founding member and first President, into National Women's Hall of Fame	Seneca Falls, NY
week of Oct 8	Golf Outing	Woody's
14	Making Strides Against Breast Cancer	Philadelphia
26-27	Board of Directors Meeting #2	Chicago, IL
November	Section Meeting-Business Dressing from Casual to Corporate	TBD
16-18	Region E Student Conference	Cornell University, Ithaca, NY
December 13	Sub-section Meetings Montco Sub-section	Various Bertucci's, Plymouth Meeting
15	Nomination Deadline for Society Awards	
January 15	Section Meeting - US 202 Construction	TBD
February 8-9	Engineering Mini-Camp during Engineers' Week Future City Competition Other Engineers' Week Activities Board of Directors Meeting #3	Widener University TBD Various Chicago, IL
March 9	Technical Tour of a Pharmaceutical Plant FIRST Competition	TBD TBD
15	Council of Section Representatives Meeting Abstract Deadline for National Conference	Chicago, IL
April 19-21	Awards Banquet Region E Conference	Bethlehem, PA
May 18	Technical Tour - US Mint	Philadelphia
12	Susan G. Kormen Race for the Cure	Philadelphia
16-17	Board of Directors Meeting #4	Washington, D.C.
18	SWE Leadership Summit	Washington, D.C.
June	Family Event - Minor League Baseball Game	TBD
July 27-31	12th Internatl Conf of Women Engineers and Scientists-ICWES 12	Ottawa, Canada
October 9-12	National Conference	Detroit, MI

Announcements

The **12th International Conference of Women Scientists and Engineers (ICWES 12)** will be held at the Ottawa Congress Centre in Ottawa, Canada on July 27-31, 2002. The theme of the conference is "Women in a Knowledge-Based Society." For more information, visit the web site www.icwes12.org or send e-mail with the subject line ICWES12 to Cheryl_Cadrin@carleton.ca.

The 2001 Conference of the **Women's Engineering Society (WES)** will be held on September 14-15 at Loughborough University in the United Kingdom. The conference theme, "Engineering - A Global Challenge," will cover aspects of engineering from multi-national companies and managing projects overseas to ethical issues and third world projects. SWE President Shelley Wolff and President-Elect Rachel McQuillen will be attending. For more details, visit the web site www.wes.org.uk/wescon.html

Section News

Girl Scout Junior Jamboree

Join us at the Freedom Valley Girl Scout Junior Jamboree on October 6th. As part of this year's theme of "Flash, Fun, and Friends," we plan to have the girls build mini roller-coasters that can be used to have "fun" while learning about energy management. This workshop is based on one of laboratory experiments at the Engineering Mini-Camp held at Widener during Engineers' Week. Girl Scout "friends" will build roller coasters using sections of pipe insulation and then race "flashing" balls to observe how the mass travels along the coaster path. All of the workshop sessions will be held in the morning; each session will last about 30 minutes; four sessions are planned. The Girl Scouts wish to have the names of the SWE presenters in advance; maps and parking passes for the campground will be provided.

Date: Saturday, October 6, 2001

Time: 8:30 to 11:30 AM

Place: Camp Towikanee

Richlandtown Road
(between Quakertown and Lake
Nockamixon in upper Bucks County)

RSVP: Barbara Faust by October 1, 2001

215-257-6463 or Barbara.Faust@swe.org

Golf Outing

A SWE golf outing will be held at Woody's during the week of October 8th. Contact Megan Kline by phone at 610-650-8101 or e-mail at mkline@gfnet.com for start time and other information.

New Section Officers Elected

Congratulations to the FY02 Philadelphia Section Officers who were elected in June:

President: Lisa Colosimo
Vice President: Heather Bernardin
Section Representatives: Maggie Schwartz
Susan Hougendobler
Secretary: Carole Stowell
Treasurer: Barbara Faust

We hope to make this a great SWE year!

New Arrival

Susan Sciarratta and her husband Kevin Boyd announce the arrival of their daughter Annabelle Sciarratta Boyd, who weighed in at 5 lb, 11 oz on August 15, 2001. Mom, dad, and baby are all doing well.

Section Meeting: What's New in SWE

SWE is undergoing significant changes: functional responsibilities of the Society Vice Presidents have changed to be more in line with the goals and mission of the Society; Headquarters was moved from New York to Chicago; a new format was tried at the Council of Section Representatives meeting; SWE has established a formal partnership with the Girl Scouts and is in the midst of establishing partnerships with other organizations that work with girls and young women. Join us on September 19th to learn more about these and other new developments in SWE from local members who attended the National Conference in June at Denver: Philadelphia Section Members Maggie Schwartz, Susan Hougendobler, Barbara Faust and Drexel Student Member Nicole Tretiak, who is also the Region E Student Representative.

Date: Wednesday, September 19, 2001

Time: 6:00 PM

Place: Viggiano's Italian Restaurant
16 East First Avenue, Conshohocken, PA
610-825-3151

RSVP: Jen Coriale by September 17
610-239-3830 or Jennifer.L.Corial@gsk.com

Directions:

From I-476 North:

Follow I-476 North to Exit 6A (Conshohocken/Rt. 23). Turn Right at the light onto Matson Ford Road; follow over Fayette Street Bridge to the second light and make a Right onto First Ave. Viggiano's is located on the left.

From I-476 South:

Follow I-476 South to Exit 6 (Conshohocken/Rt. 23). Turn Right at the light onto Matson Ford Road; continue with directions above.

From I-76 West :

Follow I-76 West (Schuylkill Expressway) to Exit 29 (Conshohocken). Go straight at the main intersection (McDonald's on right) and over the Fayette Street Bridge to the second light and make a Right on to First Ave. Viggiano's is located on the left.

From PA Turnpike, King of Prussia, or I-76 East:

Follow I-76 East to Exit 28B (Conshohocken). Turn Right at the traffic light onto Matson Ford Road; follow over Fayette Street Bridge to the second light and make a Right onto First Ave. Viggiano's is located on the left.

From Germantown Pike West:

Take Germantown Pike past the Plymouth Meeting Mall and make a Right on to Butler Pike (which turns into Fayette St). Follow Fayette Street to First Ave and make a Left at the traffic light (Parker Furniture Store on the right & Nail Salon on the left). Viggiano's is located on the left.

From Germantown Pike East:

Take Germantown Pike to Butler Pike and make a Left on to Butler Pike (follow above Directions).

More Section News

Scholarship Program to Expand

This year we are pleased to announce the expansion of our scholarship program to include more of the women students who are currently enrolled in local engineering colleges and an increase in some of the award amounts. Additional information will be published as more of the details are finalized.

Committee Head Positions Available

As the SWE fiscal year gets into full gear, we are still in need of a few good people to lead and coordinate some section activities. Contact any Section Officer if you are interested in any of the following or other activities:

- Professional Development Chair to interface with Headquarters and coordinate section professional development activities.
- Awards Chair to coordinate activities associated with nominating members for Section and Society awards. While individual members may take the lead on pulling together a specific national award nomination package, the awards chair is responsible for identifying section members for recognition and to serve as a contact point within the section.
- Job Bank Chair to serve as a contact point for companies offering positions and members seeking positions.
- Programs Chair to arrange meeting sites and serve as the contact point for local arrangements.
- Web Site Coordinator to maintain the Section web site and keep it current.
- SWE Student Section Counselors to serve as liaisons between the students and Philadelphia Section members. Counselors are currently needed for Swarthmore and Temple. As we expand our Scholarship Program to engineering students at local schools that do not currently have SWE Student Sections, we will be looking for members to serve as liaisons with those students.
- Special Projects Chair to coordinate any special programs or projects that may develop within the year.

Around the Region

Region E Conference

SWE Lehigh Valley Section is hosting the Region E Conference to be held at the Radisson Hotel Bethlehem on April 19-21, 2002. The theme for the conference is "The Path Less Traveled." The keynote speaker will be Dr. Julie A. Shimer, CEO, Vocera Communications. Saturday morning and afternoon seminar sessions are planned. Contact Kathryn Kinsey (kinseyko@apci.com) or Lisa Walton (lmwalton@aol.com) if you are willing to give a seminar or have suggestions for speakers on topics relevant to women engineers and the career path they have chosen.

FY02 Region Officers

New Region E Officers for FY02 elected at the Region meeting held during the National Conference are:

Director:	Michele Tortolani
Deputy Director:	Vicky Sanchez
Secretary:	Kristi Perri
Treasurer:	Holly Ross

New SWE Web Sites for Career Advice

Contact Susan Chapman, Career Coach, for answers to your questions through the SWE site www.swe.org/SWE/CD/Career_Advice.htm.

Information on professional development opportunities of interest to SWE members may be

obtained by subscribing to an e-mail list for the SWE Professional Development Committee.
Contact Diane Peters, committee chair, at diane.peters@worldnet.att.net to get on the list.

National News

National Conference Proceedings

The Denver Section and the 2001 National Conference Committee extend a thank you to all who attended and supported the conference for making it a huge success. CD-ROM copies of the Conference Proceedings and other information are still available. Send your shipping address and a check for \$8, payable to SWE, to

SWE 2001 National Conference
P.O. Box 621134,
Littleton, CO 80162-1134.

Supplies are limited. Orders will be filled as they are received until supplies run out. For more information on the 2001 SWE National Conference held in June, visit: <http://www.swe.org/SWE/Convention/den01/2001M.htm>.

Advance information on the SWE National Conference - The Art of Engineering - which will be held in Detroit on October 9-12, 2002, is provided on the conference web site: <http://www.swe.org/SWE/Convention/detroit/>.

In Memoriam - Katharine Stinson

- from *MAL News* Jul/Aug 2001

SWE mourns the passing of Katharine Stinson on July 29, 2001 in Pinehurst, NC. She served the Society from 1953 to 1955 as its third President. Donations in her memory may be sent to North Carolina State University to go into her scholarship fund for women engineering students; the address is North Carolina State Engineering Fund, Campus Box 7901, Raleigh, NC 27695.

National Women's Hall of Fame to Induct Bea Hicks

Dr. Beatrice A. Hicks (1919-1979), engineer, inventor, and business owner, will be inducted into the National Women's Hall of Fame on October 6, 2001 in Seneca Falls, NY. She was a founding member and the first president of SWE, serving from 1950-1952. Beatrice Hicks was a pioneer in gaining recognition for women engineers at a time when less than 1% of all US-employed engineers were women.

Other SWE members in the National Women's Hall of Fame include: computer software pioneer Grace Murray Hopper (1906-1992) who was inducted in 1994; industrial engineer Lillian Moller Gilbreth (1878-1995) who was inducted in 1995; and astronaut Sally Ride (1951-) who was inducted in 1998.

A reception for past and present inductees will be held at the Centers at High Falls in Rochester, NY on Friday evening, October 5, 2001. The induction ceremony will take place at 1:30 PM on Saturday, October 6, 2001 at the National Women's Hall of Fame, 76 Fall Street, in downtown Seneca Falls, NY. Emcee for the event will be Bonnie Angelo, author of *First Mothers: The women Who Shaped the Presidents*. SWE members are invited to attend the events and there may be a car pool going up from this area. For more information, visit www.greatwomen.org or call former Philadelphia Section member Betty Lou Bailey (518-355-0604) who now lives in Schenectady.

Call for Nominations for FY03 Society Officers and Trustees

Even though the fiscal year has just begun, it is time to begin thinking of potential candidates for FY03 Society officers and trustees. The nominating committee is charged with the responsibility for selecting at least one qualified candidate for each of the offices of president-elect, vice president (three positions), secretary, treasurer and other candidates as requested by the board of directors. Although the nominating committee is responsible for insuring that the best-qualified candidates are placed on the ballot, identifying SWE's future leaders is everyone's responsibility. Section officers and committee chairs have the opportunity to develop the leadership, organizational and management skills necessary for Society office. Serving on and chairing committees at the regional and national levels provides further preparation for service on the board of directors. Members interested in national office should seek out such experience. Society officer candidates must have served at least one year as a section or Member at Large (MAL) representative, or as a section president.

Information has been posted on the SWE website: www.swe.org. Go to SWE home page under "News and Hot Stuff." To submit a nomination, please download and complete the form you will find in web document. Completed forms can be e-mailed to wkbromenshenkel@motivaenterprises.com. If you are unable to download the document, e-mail andrea.williams@swe.org and she will e-mail the MS Word version to you.

Professional Development News

The **Engineers' Club of Philadelphia** has announced its **Fall Educational Program and Engineering Tours of the Delaware Valley**. For detailed information on class dates, locations, and cost, please contact Tom Payne by phone at 215-985-5701. Information on the classes and the tours may also be obtained from The Engineers' Club by e-mail at info@engrclub.org or from the web site: <http://www.engrclub.org>.

Fall Education Courses

Construction

- C-1 The International Building Code, Part I
- C-2 Home and Building Inspection
- C-3 Construction Project Management
- C-4 Construction Supervision and Field Operations
- C-5 Owners Representative for Construction
- C-6 Contract, Specifications and Law for Construction Contractors and Engineers

Electrical

- E-1 Fundamentals of Instrumentation and Control
- E-2 Basic Protective Relaying

Fire Protection Engineering

- F-1 Fire Alarm and Detection Systems
- F-2 Advanced Sprinkler System Design

Mechanical

- M-1 Heating and Ventilation
- M-2 Basic Piping Design
- M-3 Air Conditioning

Engineering Tours

Each tour is awarded 2.5 Professional Development Hours (PDHs) toward P.E. license renewal. Club membership is not required. Cost per tour is \$10 per person for non-members.

W. L. Gore Company- Elk Mills Plant, Elkton, MD
Wednesday, September 26, 2001 at 4 PM

See how Gore-Tex, the world's first and most waterproof, windproof, and breathable outerwear fabric, is manufactured and tested. Tour group is limited to 40 people.

Pfaltzgraff Company-Thomasville Plant, Thomasville, PA
Wednesday, October 10, 2001 at 10 AM

This facility is the oldest continuously-operating pottery in the US. Tour group is limited to 40 people.

Kvaerner Shipyard, South Philadelphia, PA
Tuesday, October 23, 2001 at 10 AM

Participate in an interesting and informative tour of this fascinating facility on the site of the Philadelphia Naval Base. Tour group is limited to 40 people.

Electrical Association of Philadelphia and Penn State University Fall 2001 Educational Courses

Basic Electricity

Introduction to Twisted Pair and Fiber Optic Cabling
Voice and Data Cable Estimating
Plan Reading and Specifications

For more information or to enroll in one of the following courses, please call Heather Smith (215-881-7389) or Pat Zitomer (215-881-7388) at Penn State.

ELECTRIC EXPO - An Electrical Odyssey - an event sponsored by the Electrical Association of Philadelphia, will be held on October 16-17, 2001 from 2:00 to 8:00 PM at the Valley Forge Convention Center in King of Prussia, PA.

Additional program activities include:

Keynote Luncheon - Energy Crises: Myths and Realities
Tues, Oct 16, noon to 2:00 PM

Workshop 1 - Soares Grounding of Electrical Systems
Tues, Oct 16, 8:00 AM to 5:00 PM

Workshop 2 - Major Changes to the National Electric Code-2002
Wed, Oct 17, 8:00 AM to 5:00 PM

Seminar - When the OSHA Inspector Knocks
Wed, Oct 17, 2:00 to 4:00 PM

For registration information, call 610-668-1700, FAX 610-668-1703, or visit the web site www.eap.org.

Job Bank Listings

- Engineering Assistant - entry-level mechanical, civil, chemical and electrical engineers for Philadelphia Gas Works. Recent college graduates are encouraged to apply. Applicants must establish or maintain residence in the City of Philadelphia.

For more information on the position requirements, contact Lisa Colosimo (lcolosimo@fcg.com).

- Schedulers, Fire & Security Systems Engineer, Fire & Security Systems Designer, Mechanical AutoCAD 3D drafters - Phila
 - Mechanical/Aero Engineer - Aston, PA
 - Entry-level Mechanical CAD drafter - Haddon Heights, NJ
 - Mechanical/Piping Designer - Haddon Heights, NJ
- Contact Lori Murray at Precision Design, 856-546-8100, precdes@miller-remick.com

- Operation Center Manager for Shatto, Inc.- NJ office
- Contact Allen Shatto, 1-800-836-8788, shattoinc@hotmail.com.

- Digital Video Systems and Support Engineer
 - Manager, Digital Platform Engineering
 - Senior Director Network Operations
- Contact Mary Pennington, Recruiting Manager for Comcast Cable, 215-981-7783

SWE Philadelphia Section
c/o The Engineers' Club of Philadelphia
215 South 16th Street
Philadelphia, PA 19102

Address Correction Requested

Visit our Web Site: <http://www.libertynet.org/sweps>
Contact Us by E-mail: phila_info@swe.org

SWE Philadelphia Section Newsletter
September 2001

Section Meeting

Wednesday, September 19, 2001
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16 East 1st Avenue
Conshohocken, PA 19428

RSVP to Jen Coriale by September 17, 2001

Girl Scout Junior Jamboree

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Camp Towikanee
Richlandtown Road
(near Quakertown, PA)

RSVP to Barbara Faust by October 1, 2001

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Thank you!